1. **DESIGN LOADS:**
   - A. ARSHT H5-20-44 W/ IMPACT.
   - B. DESIGN FILL: 5% MAXIMUM.
   - C. ASSUMED WATER TABLE = 3 FEET BELOW BOTTOM OF PRECAST.
   - D. DRY LATERAL EARTH PRESSURE (EP) = 45 PSF.
   - E. LATERAL LINE LOAD SURCHARGE = 80 PSF (APPLIED TO B0 FEET BELOW GRADE).
   - F. NO LATERAL SURCHARGE FROM ADJACENT BUILDINGS, WALLS, PIER, OR FOUNDATIONS.

2. **CONCRETE 28 DAY COMPRESSIVE STRENGTH SHALL BE 5,000 PSI MINIMUM.**

3. **STEEL REINFORCEMENT: REBAR, ASTM A-615 OR A-706, GRADE 60.**

4. **CEMENT: ASTM C-150 SPECIFICATION.**

5. **REQUIRED NATIVE ALLOWABLE SOIL BEARING PRESSURE = 2,500 PSF.**

6. **REFERENCE STANDARD:**
   - A. ASTM C-470
   - B. ASTM C-497

7. **THESE STRUCTURES ARE DESIGNED TO THE PARAMETERS NOTED HEREIN. PLEASE VERIFY THAT THESE PARAMETERS MEET PROJECT REQUIREMENTS (I.E., LINING, FILL RANGE, WATER TABLE). IF DESIGN PARAMETERS ARE INCONSISTENT, REQUIRING ENGINEER/ARCHITECT SHALL NOTIFY OLDCASTLE PRECAST® STORMWATER UPON REVIEW OF THIS SUBMITAL.**

8. **TREATMENT CAPACITY IS DEPENDENT ON LOCAL REGULATORY REQUIREMENTS. BYPASS CAPACITY IS DEPENDENT ON OUTLET PIPE DIAMETER, CONTACT OLDCASTLE PRECAST® STORMWATER FOR PROJECT-SPECIFIC TREATMENT AND BYPASS SIZING RECOMMENDATIONS.**

9. **STANDARD INLET/OUTLET PIPE CONFIGURATIONS TO ENTER AND EXIT STRUCTURE ARE A/F. SPECIAL ANGLED CONFIGURATIONS AVAILABLE.**

10. **OVERSIZED HOLES TO ACCOMMODATE SPECIFIC PIPE TYPES MUST BE CONCERNED TO Pipe ID. ALL ANNUAL SPACES SHALL BE FILLED WITH A MINIMUM OF 3000 PSI CONCRETE FOR FULL THICKNESS OF PRECAST WALLS.**

11. **CONTRACTOR RESPONSIBLE TO ENSURE ADEQUATE BEARING SURFACE IS PROVIDED (I.E., COMPACTED & LEVEL PER PROJECT SPECIFICATIONS).**

12. **FOR SITE SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND HOLES, PLEASE CONTACT OLDCASTLE PRECAST® STORMWATER.**

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**NOTES:**

- **Angle is Clockwise from Outlet at 0°.**

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**DESIGN DRAWING:**

- **PLAN VIEW:**
  - INLET & OUTLET Dimensions
  - Match Mark

- **ELEVATION VIEW:**
  - Minimum Wall Thickness
  - Sump

- **ISOMETRIC VIEW:**
  - Top Slab
  - Riser with Internals Installed
  - Internal Components
  - Partition Slab
  - Lower Riser
  - Base

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**Oldcastle Precast**

**DVS-72C-GI**

**Customer:**

**Job Name:**

**Document Date:**

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**DVS-72C-GI-SC**

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**Stormwater**

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**Scale 3/4**

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**DIMENSIONS:**

- **INLET:** Ø36.00" MAX. PIPE SIZE SEE NOTE 9.
- **OUTLET:** Ø36.00" MAX. PIPE SIZE SEE NOTE 9.
- **2X Ø24.00" BOLTED & GASKETED CAST IRON ACCESS COVER, STANDARD.**
- **2X Ø24.00" BOLTED & GASKETED CAST IRON ACCESS COVER, STANDARD.**
- **4.50" (34.00") MINIMUM DEPTH**
- **36.00" STANDARD HEIGHT INTERNALS**
- **6.50" (78.00") SUMP**
- **8.00" MINIMUM**
- **6.00" (72.00") MINIMUM**
- **7.17" (86.00") MINIMUM**

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**This product is protected by the following US patents, European patents, and other patents pending.**

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- **This document contains confidential and proprietary information.**
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